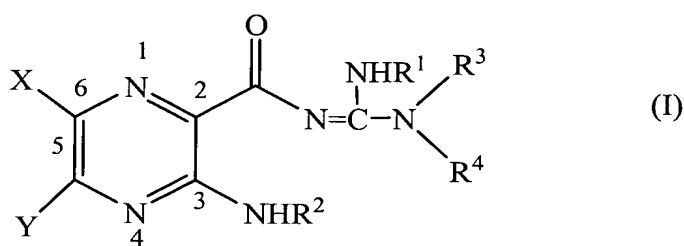


IN THE CLAIMS

The status of each claim in the application is provided below.

Claims 1-124: Canceled.

125. (Currently Amended) A compound represented by formula (I):



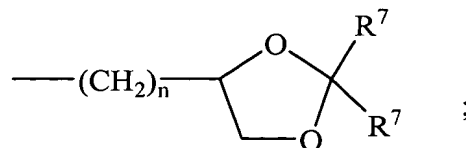
wherein

X is hydrogen, halogen, trifluoromethyl, lower alkyl, unsubstituted or substituted phenyl, lower alkyl-thio, phenyl-lower alkyl-thio, lower alkyl-sulfonyl, or phenyl-lower alkyl-sulfonyl;

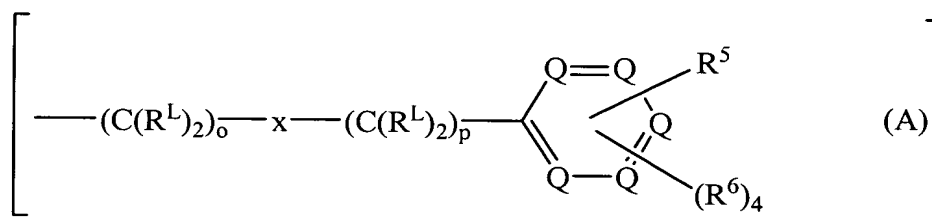
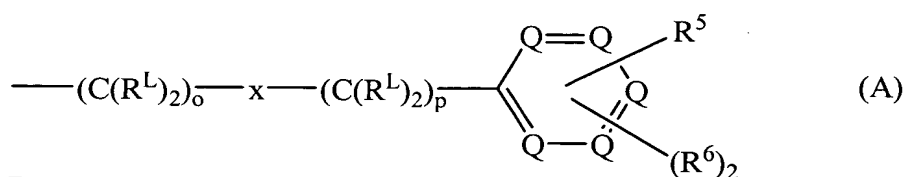
Y is hydrogen, hydroxyl, mercapto, lower alkoxy, lower alkyl-thio, halogen, lower alkyl, unsubstituted or substituted mononuclear aryl, or -N(R²)₂;

R¹ is hydrogen or lower alkyl;

each R² is, independently, -R⁷, -(CH₂)_m-OR⁸, -(CH₂)_m-NR⁷R¹⁰, -(CH₂)_n(CHOR⁸)(CHOR⁸)_n-CH₂OR⁸, -(CH₂CH₂O)_m-R⁸, -(CH₂CH₂O)_m-CH₂CH₂NR⁷R¹⁰, -(CH₂)_n-C(=O)NR⁷R¹⁰, -(CH₂)_n-Z_g-R⁷, -(CH₂)_m-NR¹⁰-CH₂(CHOR⁸)(CHOR⁸)_n-CH₂OR⁸, -(CH₂)_n-CO₂R⁷, or



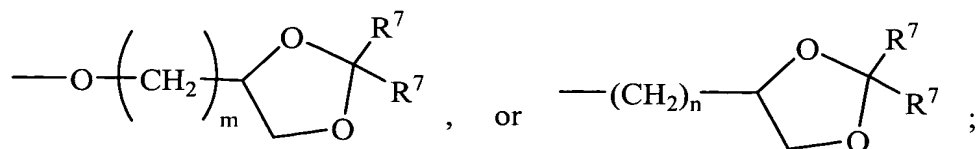
R^3 and R^4 are each, independently, hydrogen, a group represented by formula (A), lower alkyl, hydroxy lower alkyl, phenyl, phenyl-lower alkyl, (halophenyl)-lower alkyl, lower-(alkylphenylalkyl), lower (alkoxyphenyl)-lower alkyl, naphthyl-lower alkyl, or pyridyl- lower alkyl, with the proviso that at least one of R^3 and R^4 is a group represented by formula (A):



wherein

each R^{L} is, independently, $-\text{R}^7$, $-(\text{CH}_2)_n\text{---OR}^8$, $-\text{O}-(\text{CH}_2)_m\text{---OR}^8$, $-(\text{CH}_2)_n\text{---NR}^7\text{R}^{10}$, $-\text{O}-(\text{CH}_2)_m\text{---NR}^7\text{R}^{10}$, $-(\text{CH}_2)_n(\text{CHOR}^8)(\text{CHOR}^8)_n\text{---CH}_2\text{OR}^8$, $-\text{O}-(\text{CH}_2)_m(\text{CHOR}^8)(\text{CHOR}^8)_n\text{---CH}_2\text{OR}^8$, $-(\text{CH}_2\text{CH}_2\text{O})_m\text{---R}^8$, $-\text{O}-(\text{CH}_2\text{CH}_2\text{O})_m\text{---R}^8$, $-(\text{CH}_2\text{CH}_2\text{O})_m\text{---CH}_2\text{CH}_2\text{NR}^7\text{R}^{10}$, $-\text{O}-(\text{CH}_2\text{CH}_2\text{O})_m\text{---CH}_2\text{CH}_2\text{NR}^7\text{R}^{10}$, $-(\text{CH}_2)_n\text{---C(=O)NR}^7\text{R}^{10}$, $-\text{O}-(\text{CH}_2)_m\text{---C(=O)NR}^7\text{R}^{10}$, $-(\text{CH}_2)_n\text{---(Z)}_g\text{---R}^7$, $-\text{O}-(\text{CH}_2)_m\text{---(Z)}_g\text{---R}^7$,

$-(CH_2)_n-NR^{10}-CH_2(CHOR^8)(CHOR^8)_n-CH_2OR^8$,
 $-O-(CH_2)_m-NR^{10}-CH_2(CHOR^8)(CHOR^8)_n-CH_2OR^8$,
 $-(CH_2)_n-CO_2R^7$, $-O-(CH_2)_m-CO_2R^7$, $-OSO_3H$, $-O$ -glucuronide, $-O$ -glucose,



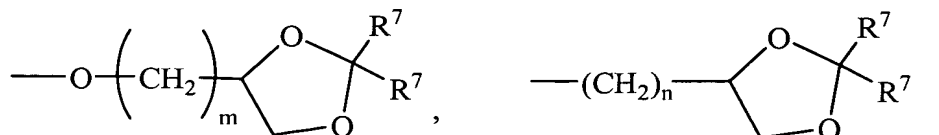
each o is, independently, an integer from 0 to 10;

each p is an integer from 0 to 10;

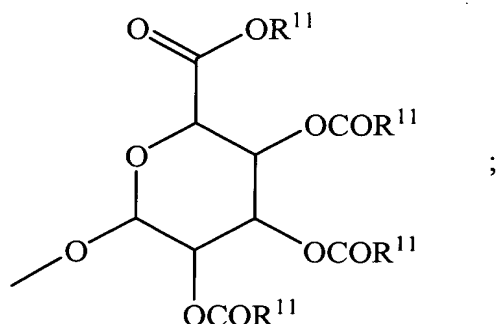
with the proviso that the sum of o and p in each contiguous chain is from 1 to 10;

each x is, independently, O, NR^{10} , $C(=O)$, $CHOH$, $C(=N-R^{10})$, $CHNR^7R^{10}$, or represents a single bond;

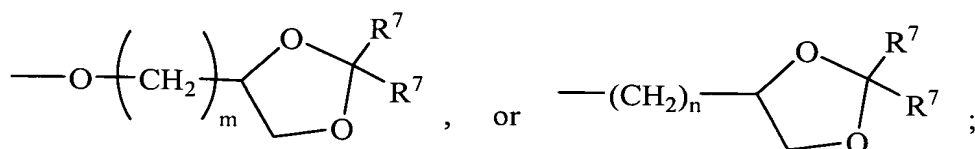
each R^5 is, independently, $-(CH_2)_m-OR^8$, $-O-(CH_2)_m-OR^8$,
 $-(CH_2)_n-NR^7R^{10}$, $-O-(CH_2)_m-NR^7R^{10}$, $-(CH_2)_n(CHOR^8)(CHOR^8)_n-CH_2OR^8$,
 $-O-(CH_2)_m(CHOR^8)(CHOR^8)_n-CH_2OR^8$, $-(CH_2CH_2O)_m-R^8$,
 $-O-(CH_2CH_2O)_m-R^8$, $-(CH_2CH_2O)_m-CH_2CH_2NR^7R^{10}$,
 $-O-(CH_2CH_2O)_m-CH_2CH_2NR^7R^{10}$, $-(CH_2)_n-C(=O)NR^7R^{10}$,
 $-O-(CH_2)_m-C(=O)NR^7R^{10}$, $-(CH_2)_n-(Z)_g-R^7$, $-O-(CH_2)_m-(Z)_g-R^7$,
 $-(CH_2)_n-NR^{10}-CH_2(CHOR^8)(CHOR^8)_n-CH_2OR^8$,
 $-O-(CH_2)_m-NR^{10}-CH_2(CHOR^8)(CHOR^8)_n-CH_2OR^8$,
 $-(CH_2)_n-CO_2R^7$, $-O-(CH_2)_m-CO_2R^7$, $-OSO_3H$, $-O$ -glucuronide, $-O$ -glucose,



or



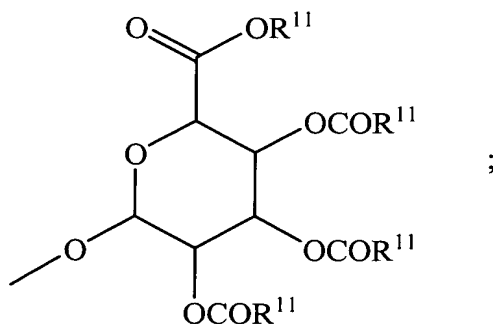
each R^6 is, independently, $-\text{R}^7$, $-\text{OR}^{11}$, $-\text{N}(\text{R}^7)_2$, $-(\text{CH}_2)_m-\text{OR}^8$,
 $-\text{O}-(\text{CH}_2)_m-\text{OR}^8$, $-(\text{CH}_2)_n-\text{NR}^7\text{R}^{10}$, $-\text{O}-(\text{CH}_2)_m-\text{NR}^7\text{R}^{10}$,
 $-(\text{CH}_2)_n(\text{CHOR}^8)(\text{CHOR}^8)_n-\text{CH}_2\text{OR}^8$, $-\text{O}-(\text{CH}_2)_m(\text{CHOR}^8)(\text{CHOR}^8)_n-\text{CH}_2\text{OR}^8$,
 $-(\text{CH}_2\text{CH}_2\text{O})_m-\text{R}^8$, $-\text{O}-(\text{CH}_2\text{CH}_2\text{O})_m-\text{R}^8$, $-(\text{CH}_2\text{CH}_2\text{O})_m-\text{CH}_2\text{CH}_2\text{NR}^7\text{R}^{10}$,
 $-\text{O}-(\text{CH}_2\text{CH}_2\text{O})_m-\text{CH}_2\text{CH}_2\text{NR}^7\text{R}^{10}$, $-(\text{CH}_2)_n-\text{C}(=\text{O})\text{NR}^7\text{R}^{10}$,
 $-\text{O}-(\text{CH}_2)_m-\text{C}(=\text{O})\text{NR}^7\text{R}^{10}$, $-(\text{CH}_2)_n-(\text{Z})_g-\text{R}^7$, $-\text{O}-(\text{CH}_2)_m-(\text{Z})_g-\text{R}^7$,
 $-(\text{CH}_2)_n-\text{NR}^{10}-\text{CH}_2(\text{CHOR}^8)(\text{CHOR}^8)_n-\text{CH}_2\text{OR}^8$,
 $-\text{O}-(\text{CH}_2)_m-\text{NR}^{10}-\text{CH}_2(\text{CHOR}^8)(\text{CHOR}^8)_n-\text{CH}_2\text{OR}^8$,
 $-(\text{CH}_2)_n-\text{CO}_2\text{R}^7$, $-\text{O}-(\text{CH}_2)_m-\text{CO}_2\text{R}^7$, $-\text{OSO}_3\text{H}$, $-\text{O-glucuronide}$, $-\text{O-glucose}$,



wherein when two R^6 are $-\text{OR}^{11}$ and are located adjacent to each other on a phenyl ring, the alkyl moieties of the two R^6 may be bonded together to form a methylenedioxy group;

each R^7 is, independently, hydrogen or lower alkyl;

each R^8 is, independently, hydrogen, lower alkyl, $-C(=O)-R^{11}$, glucuronide, 2-tetrahydropyranyl, or



each R^9 is, independently, $-\text{CO}_2R^7$, $-\text{CON}(R^7)_2$, $-\text{SO}_2\text{CH}_3$, or $-C(=O)R^7$;

each R^{10} is, independently, $-\text{H}$, $-\text{SO}_2\text{CH}_3$, $-\text{CO}_2R^7$, $-C(=O)\text{NR}^7R^9$, $-C(=O)R^7$, or $-\text{CH}_2-(\text{CHOH})_n-\text{CH}_2\text{OH}$;

each Z is, independently, CHOH , $\text{C}(=\text{O})$, CHNR^7R^{10} , $\text{C}=\text{NR}^{10}$, or NR^{10} ;

each R^{11} is, independently, lower alkyl;

each g is, independently, an integer from 1 to 6;

each m is, independently, an integer from 1 to 7;

each n is, independently, an integer from 0 to 7;

each Q is, independently, $\text{C}-R^5$, $\text{C}-R^6$, or a nitrogen atom, wherein two Q in a ring are nitrogen atoms;

or a pharmaceutically acceptable salt thereof, and

inclusive of all enantiomers, diastereomers, and racemic mixtures thereof.

126. (Original) The compound of Claim 125, wherein Y is $-\text{NH}_2$.

127. (Original) The compound of Claim 126, wherein R^2 is hydrogen.
128. (Original) The compound of Claim 127, wherein R^1 is hydrogen.
129. (Original) The compound of Claim 128, wherein X is chlorine.
130. (Original) The compound of Claim 129, wherein R^3 is hydrogen.
131. (Original) The compound of Claim 130, wherein each R^L is hydrogen.
132. (Original) The compound of Claim 131, wherein o is 4.
133. (Original) The compound of Claim 132, wherein p is 0.
134. (Original) The compound of Claim 133, wherein x represents a single bond.
135. (Original) The compound of Claim 134, wherein each R^6 is hydrogen.
136. (Original) The compound of Claim 135, wherein R^5 is $-(CH_2)_m-OR^8$.
137. (Original) The compound of Claim 135, wherein R^5 is $-O-(CH_2)_m-OR^8$.
138. (Original) The compound of Claim 135, wherein R^5 is $-(CH_2)_n-NR^7R^{10}$.
139. (Original) The compound of Claim 135, wherein R^5 is $-O-(CH_2)_m-NR^7R^{10}$.

140. (Original) The compound of Claim 135, wherein R^5 is -
 $(CH_2)_n(CHOR^8)(CHOR^8)_n-CH_2OR^8$.

141. (Original) The compound of Claim 135, wherein R^5 is -O-
 $(CH_2)_m(CHOR^8)(CHOR^8)_n-CH_2OR^8$.

142. (Original) The compound of Claim 135, wherein R^5 is $-(CH_2CH_2O)_m-R^8$.

143. (Original) The compound of Claim 135, wherein R^5 is $-O-(CH_2CH_2O)_m-R^8$.

144. (Original) The compound of Claim 135, wherein R^5 is $-(CH_2CH_2O)_m-$
 $CH_2CH_2NR^7R^{10}$.

145. (Original) The compound of Claim 135, wherein R^5 is $-O-(CH_2CH_2O)_m-$
 $CH_2CH_2NR^7R^{10}$.

146. (Original) The compound of Claim 135, wherein R^5 is $-(CH_2)_n-C(=O)NR^7R^{10}$.

147. (Original) The compound of Claim 135, wherein R^5 is $-O-(CH_2)_m-$
 $C(=O)NR^7R^{10}$.

148. (Original) The compound of Claim 135, wherein R^5 is $-(CH_2)_n-(Z)_g-R^7$.

149. (Original) The compound of Claim 135, wherein R^5 is $-O-(CH_2)_m-(Z)_g-R^7$.

150. (Original) The compound of Claim 135, wherein R^5 is $-(CH_2)_n-NR^{10}-CH_2(CHOR^8)(CHOR^8)_n-CH_2OR^8$.

151. (Original) The compound of Claim 135, wherein R^5 is $-O-(CH_2)_m-NR^{10}-CH_2(CHOR^8)(CHOR^8)_n-CH_2OR^8$.

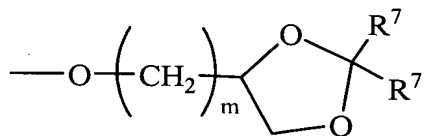
152. (Original) The compound of Claim 135, wherein R^5 is $-O-(CH_2)_m-CO_2R^7$.

153. (Original) The compound of Claim 135, wherein R^5 is $-OSO_3H$.

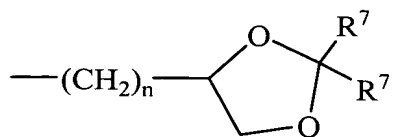
154. (Original) The compound of Claim 135, wherein R^5 is $-O$ -glucuronide.

155. (Original) The compound of Claim 135, wherein R^5 is $-O$ -glucose.

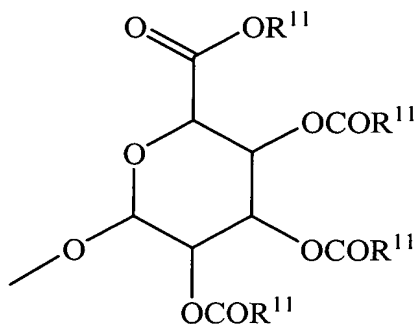
156. (Original) The compound of Claim 135, wherein R^5 is



157. (Original) The compound of Claim 135, wherein R^5 is



158. (Original) The compound of Claim 135, wherein R^5 is



159. (Original) The compound of Claim 135, wherein R^5 is $-(CH_2)_n-CO_2R^7$.

160. (Original) The compound of Claim 125, wherein

X is halogen;

Y is $-N(R^7)_2$;

R^1 is hydrogen or C_1 - C_3 alkyl;

R^2 is $-R^7$, $-(CH_2)_m-OR^8$, or $-(CH_2)_n-CO_2R^7$;

R^3 is a group represented by formula (A); and

R^4 is hydrogen, a group represented by formula (A), or lower alkyl.

161. (Original) The compound of Claim 160, wherein

X is chloro or bromo;

Y is $-N(R^7)_2$;

R^2 is hydrogen or C_1 - C_3 alkyl;

at most three R^6 are other than hydrogen as defined above; and

at most three R^L are other than hydrogen as defined above.

162. (Original) The compound of Claim 161, wherein Y is -NH_2 .
163. (Original) The compound of Claim 162, wherein R^4 is hydrogen;
at most one R^L is other than hydrogen as defined above; and
at most two R^6 are other than hydrogen as defined above.
164. (Original) The compound of Claim 125, wherein R^5 is $\text{-(CH}_2)_m\text{-OR}^8$.
165. (Original) The compound of Claim 125, wherein R^5 is $\text{-O-(CH}_2)_m\text{-OR}^8$.
166. (Original) The compound of Claim 125, wherein R^5 is $\text{-(CH}_2)_n\text{-NR}^7\text{R}^{10}$.
167. (Original) The compound of Claim 125, wherein R^5 is $\text{-O-(CH}_2)_m\text{-NR}^7\text{R}^{10}$.
168. (Original) The compound of Claim 125, wherein R^5 is -
 $\text{(CH}_2)_n\text{(CHOR}^8\text{)(CHOR}^8)_n\text{-CH}_2\text{OR}^8$.
169. (Original) The compound of Claim 125, wherein R^5 is
 $\text{-O-(CH}_2)_m\text{(CHOR}^8\text{)(CHOR}^8)_n\text{-CH}_2\text{OR}^8$.
170. (Original) The compound of Claim 125, wherein R^5 is $\text{-(CH}_2\text{CH}_2\text{O)}_m\text{-R}^8$.
171. (Original) The compound of Claim 125, wherein R^5 is $\text{-O-(CH}_2\text{CH}_2\text{O)}_m\text{-R}^8$.

172. (Original) The compound of Claim 125, wherein R^5 is $-(CH_2CH_2O)_m-CH_2CH_2NR^7R^{10}$.

173. (Original) The compound of Claim 125, wherein R^5 is $-O-(CH_2CH_2O)_m-CH_2CH_2NR^7R^{10}$.

174. (Original) The compound of Claim 125, wherein R^5 is $-(CH_2)_n-C(=O)NR^7R^{10}$.

175. (Original) The compound of Claim 125, wherein R^5 is $-O-(CH_2)_m-C(=O)NR^7R^{10}$.

176. (Original) The compound of Claim 125, wherein R^5 is $-(CH_2)_n-(Z)_g-R^7$.

177. (Original) The compound of Claim 125, wherein R^5 is $-O-(CH_2)_m-(Z)_g-R^7$.

178. (Original) The compound of Claim 125, wherein R^5 is $-(CH_2)_n-NR^{10}-CH_2(CHOR^8)(CHOR^8)_n-CH_2OR^8$.

179. (Original) The compound of Claim 125, wherein R^5 is $-O-(CH_2)_m-NR^{10}-CH_2(CHOR^8)(CHOR^8)_n-CH_2OR^8$.

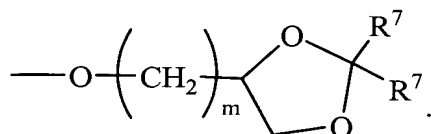
180. (Original) The compound of Claim 125, wherein R^5 is $-O-(CH_2)_m-CO_2R^7$.

181. (Original) The compound of Claim 125, wherein R^5 is $-OSO_3H$.

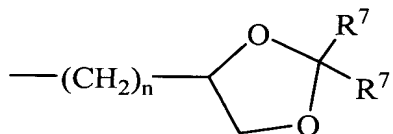
182. (Original) The compound of Claim 125, wherein R^5 is -O-glucuronide.

183. (Original) The compound of Claim 125, wherein R^5 is -O-glucose.

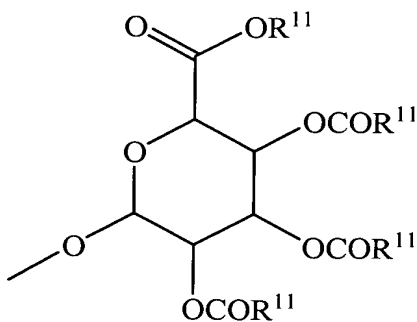
184. (Original) The compound of Claim 125, wherein R^5 is



185. (Original) The compound of Claim 125, wherein R^5 is



186. (Original) The compound of Claim 125, wherein R^5 is



187. (Original) The compound of Claim 125, wherein R^5 is $-(CH_2)_n-CO_2R^7$.

188. (Original) The compound of Claim 125, wherein x is a single bond.

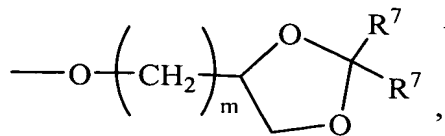
189. (Original) The compound of Claim 125, which is in the form of a pharmaceutically acceptable salt.

190. (Original) The compound of Claim 125, which is in the form of a hydrochloride salt.

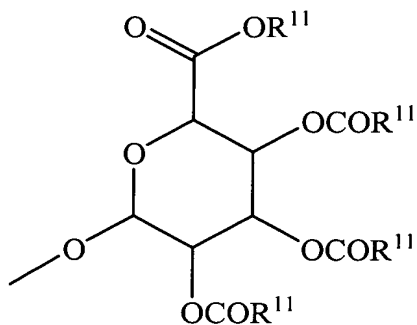
191. (Original) The compound of Claim 125, which is in the form of a mesylate salt.

192. (Original) The compound of Claim 125, wherein R⁵ is selected from the group consisting of

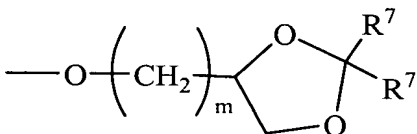
-O-(CH₂)₃-OH, -NH₂, -O-CH₂-(CHOH)₂-CH₂OH, -O-CH₂-CHOH-CH₂OH,
-O-CH₂CH₂-O-tetrahydropyran-2-yl, -O-CH₂CHOH-CH₂-O-glucuronide,
-O-CH₂CH₂OH, -O-(CH₂CH₂O)₄-CH₃, -O-CH₂CH₂OCH₃,
-O-CH₂-(CHOC(=O)CH₃)-CH₂-OC(=O)CH₃, -O-(CH₂CH₂O)₂-CH₃,
-OCH₂-CHOH-CHOH-CH₂OH, -CH₂OH, -CO₂CH₃,



and

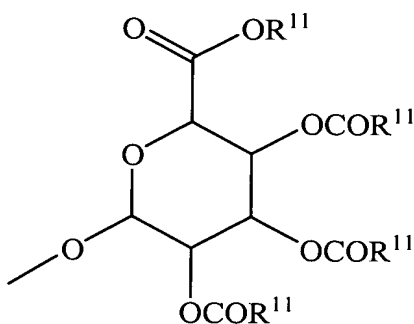


193. (Original) The compound of Claim 125, wherein R^5 is selected from the group consisting of para -O-(CH₂)₃-OH, para -NH₂, para -O-CH₂-(CHOH)₂-CH₂OH, ortho -O-CH₂-CHOH-CH₂OH, meta -O-CH₂-CHOH-CH₂OH, para -O-CH₂CH₂-O-tetrahydropyran-2-yl, para -O-CH₂CHOH-CH₂-O-glucuronide, para -O-CH₂CH₂OH, para -O-(CH₂CH₂O)₄-CH₃, para -O-CH₂CH₂OCH₃, para -O-CH₂-(CHOC(=O)CH₃)-CH₂-OC(=O)CH₃, para -O-(CH₂CH₂O)₂-CH₃, -OCH₂-CHOH-CHOH-CH₂OH, para -CH₂OH, para -CO₂CH₃, para -SO₃H, para -O-glucuronide, para



and

para



194. (Original) The compound of Claim 193, wherein

X is chloro or bromo;

Y is $-N(R^7)_2$;

R^1 is hydrogen or C_1 - C_3 alkyl;

R^2 is hydrogen or C_1 - C_3 alkyl;

R^3 is a group represented by formula (A);

R^4 is hydrogen, a group represented by formula (A), or lower alkyl;

at most three R^6 are other than hydrogen as defined above; and

at most three R^L are other than hydrogen as defined above.

195. (Original) The compound of Claim 194, wherein

R^4 is hydrogen;

at most one R^L is other than hydrogen as defined above; and

at most two R^6 are other than hydrogen as defined above.

196. (Original) The compound of Claim 195, wherein

X is chloro or bromo;

Y is $-N(R^7)_2$;

R^1 is hydrogen or C_1 - C_3 alkyl;

R^2 is hydrogen or C_1 - C_3 alkyl;

R^3 is a group represented by formula (A);

R^4 is hydrogen, a group represented by formula (A), or lower alkyl;

at most three R^6 are other than hydrogen as defined above; and

at most three R^L are other than hydrogen as defined above.

197. (Original) The compound of Claim 196, wherein

R^4 is hydrogen;

at most one R^L is other than hydrogen as defined above; and

at most two R^6 are other than hydrogen as defined above.

198. (Original) A pharmaceutical composition, comprising the compound of Claim 125 and a pharmaceutically acceptable carrier.

199. (Currently Amended) A composition, comprising:

the compound of Claim 125; and

a P2Y2 receptor agonist ~~inhibitor~~.

200. (Original) A composition, comprising:

the compound of Claim 125; and

a bronchodilator.

201. (Original) A method of blocking sodium channels, comprising contacting sodium channels with an effective amount of the compound of Claim 125.